

Converting Colors

$Y_{xy}(40.6668, 0.2554, 0.3042)$

Have a look what the booklet for
Yxy(40.6668, 0.2554, 0.3042)
contains.

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Color

Yxy(40.6668, 0.2554, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	78B4C5
RGB	120, 180, 197
RGB Percent	47%, 71%, 77%
CMY	0.5295, 0.2941, 0.2274
CMYK	0.39, 0.09, 0.00, 0.23
HSL	193°, 40%, 62%
HSV	193°, 39%, 77%
XYZ	34.1430, 40.6668, 58.8746
YIQ	163.9980, -41.2170, -7.4330

Conversions

Conversions Part 2

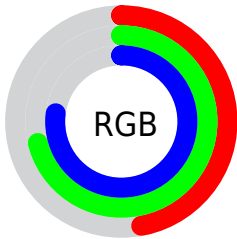
Format	Color
RYB	120, 154, 197
Decimal	7910597
CIELab	69.94, -15.01, -14.76
CIElCh	70, 21.049, 224.529
Yxy	40.6668, 0.2554, 0.3042
Android (android.graphics.Color)	4286100677 (0xFF78B4C5)
YUV	163.9980, 16.2700, -38.5862
Hunter-Lab	63.7705, -16.0288, -10.0987

Details

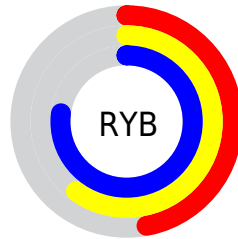
The Yxy color **40.6668, 0.2554, 0.3042** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1116, 0.4001, 0.3520**, and the grayscale version is **37.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2606, 0.2656, 0.3089**, and **18.3202, 0.2392, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **37.6740, 0.2428, 0.2967**, and if you desaturate by 10%, it is **44.0075, 0.2692, 0.3113**.

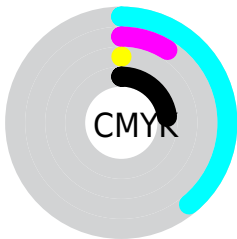
Distribution



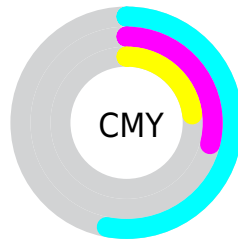
- Red (47%)
- Green (71%)
- Blue (77%)



- Red (47%)
- Yellow (60%)
- Blue (77%)



- Cyan (39%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (53%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6668, 0.2554, 0.3042 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.6668, 0.2554, 0.3042 by changing the saturation by 10% instead.

■ 40.6668, 0.2554,
0.3042

■ 40.6668, 0.2554,
0.3042

■ 348.9261, 0.2841,
0.3174

■ 28.0588, 0.2483,
0.3007

■ 76.1778, 0.2658,
0.3092

■ 18.3700, 0.2391,
0.2960

■ 99.8497, 0.2697,
0.3110

■ 11.2160, 0.2270,
0.2896

■ 127.9782, 0.2731,
0.3125

■ 6.2123, 0.2103,
0.2802

■ 160.9480, 0.2759,
0.3138

■ 2.9746, 0.1859,
0.2655

■ 199.1432, 0.2784,
0.3149

■ 1.1185, 0.1458,
0.2398

■ 242.9484, 0.2805,

■ 0.0000, 0.0000,

0.3158

0.0000

292.7479, 0.2824,
0.3166

■ 40.6668, 0.2554,
0.3042

■ 40.6668, 0.2554,
0.3042

■ 37.6740, 0.2428,
0.2967

■ 44.0075, 0.2692,
0.3113

■ 35.0061, 0.2316,
0.2889

■ 47.7083, 0.2837,
0.3179

■ 32.6442, 0.2221,
0.2809

■ 51.7864, 0.2988,
0.3240

■ 30.5652, 0.2144,
0.2728

■ 56.2565, 0.3141,
0.3295

■ 28.7421, 0.2088,
0.2647

■ 61.1322, 0.3293,
0.3345

■ 27.1286, 0.2048,
0.2567

■ 66.4267, 0.3443,
0.3389

■ 26.9877, 0.2044,
0.2559

■ 71.6012, 0.3567,
0.3429

■ 73.7831, 0.3557,
0.3473

■ 76.0238, 0.3547,
0.3517

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.6668, 0.2663, 0.3321



40.6668, 0.2554, 0.3042



40.6668, 0.2588, 0.2851

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.6668, 0.2554, 0.3042



40.6668, 0.3347, 0.3001



40.6668, 0.3489, 0.3833

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.6668, 0.2554, 0.3042



31.1116, 0.4001, 0.3520

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.6668, 0.3690, 0.3711



40.6668, 0.2554, 0.3042



40.6668, 0.3609, 0.3234

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.6668, 0.2554, 0.3042



40.6668, 0.3033, 0.2839



40.6668, 0.3737, 0.3490



40.6668, 0.3197, 0.3800

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.6668, 0.2554, 0.3042



40.6668, 0.2688, 0.2791



40.6668, 0.3737, 0.3490



40.6668, 0.3570, 0.3807

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.6684, 0.2554, 0.3042



90.4183, 0.2941, 0.3221



45.7225, 0.2965, 0.4210



19.1435, 0.2921, 0.3213



0.0000, 0.0000, 0.0000



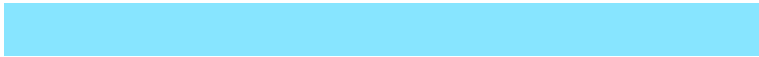
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6684, 0.2554, 0.3042



68.1745, 0.2444, 0.2978



27.3110, 0.2465, 0.2451



11.6551, 0.2984, 0.3238



17.8784, 0.2047, 0.2570



0.9476, 0.2094, 0.2737

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.5949, 0.3353, 0.2524



44.2620, 0.3418, 0.2364



43.9567, 0.3806, 0.4004



10.7750, 0.3171, 0.3112



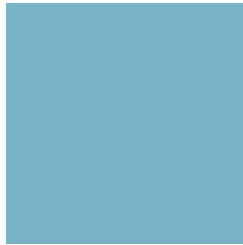
9.3448, 0.3853, 0.1896



0.4527, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 40.6668, 0.2554, 0.3042 looks on a white background.

Color Contrast Check

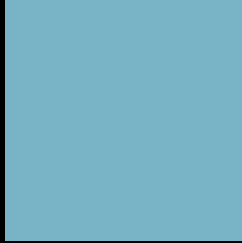
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.6668, 0.2554, 0.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

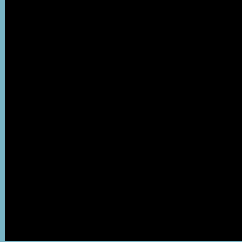
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6668, 0.2554, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 40.6668, 0.2554, 0.3042.



This preview shows how white text looks on a background with the Yxy color 40.6668, 0.2554, 0.3042.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.6668, 0.2554, 0.3042

Protanopia

40.3091, 0.2938, 0.3005

Deuteranopia

40.2132, 0.2902, 0.2841



Tritanopia

40.5046, 0.2560, 0.3070

Trichromacy



Original Color

40.6668, 0.2554, 0.3042

Protanomaly

40.2214, 0.2780, 0.3010

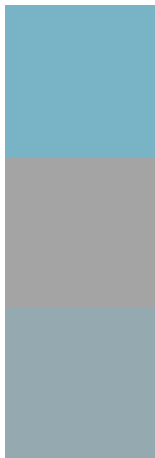
Deuteranomaly

40.0216, 0.2759, 0.2905

Tritanomaly

40.5500, 0.2554, 0.3056

Monochromacy



Original Color

40.6668, 0.2554, 0.3042

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.1799, 0.2887, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6668, 0.2554, 0.3042 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 180, 197)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 180, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 197) }
```

Border

The CSS property to change the border of an element to Yxy 40.6668, 0.2554, 0.3042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 180, 197) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 180, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 180, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 180, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 180, 197);  
box-shadow:4px 4px 4px 4px rgb(120, 180,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6668, 0.2554, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
180, 197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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